THE ROYAL



OBSERVER CORPS

RECOGNITION Fournal

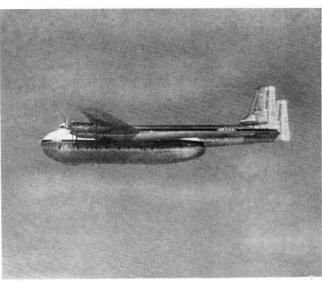


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The Society of British Aircraft Constructors' twentieth Flying Display and Exhibition was held this year at Farnborough, Hampshire, from September 7th to 13th. One of the new prototypes of the last twelve months, and three previous performers who were well to the forefront again, are illustrated below.



SCIMITARS of the Fleet Air Arm provided one of the highlights of the 1958 Display with some spirited aerobatics and fast formation flying. They were well and truly in the limelight again.



ARGOSY, Armstrong Whitworth's new passenger/freight venture, is remarkable as the first British design of this configuration to achieve success, and is of especial interest following its order for the R.A.F.



SAUNDERS-ROE P.531 jet helicopter, a five-seater, appeared last year as a private venture. Since then it has been rewarded with a contract for the Royal Navy.



LIGHTNING pilot last year sneezed, and as a result went "sonic" and broke the control tower windows. The risk was doubled this year with the addition of the two-seat trainer to the programme.



RECOGNITION JOURNAL AND R.O.C. GAZETTE

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THE BATTLE OF BRITAIN

INETEEN YEARS AGO a sadly under-equipped Royal Air Force was engaged in the historic struggle against the might of the Luftwaffe that became known as the Battle of Britain—the battle in which, in Winston Churchill's imperishable words, so much was owed by so many to so few.

Joined by a generation unborn when the Battle of Britain was at its height, the many remember that occasion still. Last year over a million of them visited the 34 R.A.F. stations which opened their gates to the public on "At Home" day. Nearly another quarter of a million came to see the exhibition staged on the Horse Guards Parade in London.

Sad to say, the Spitfires and Hurricanes that fought and won that battle and which still exist in one piece can almost be counted on one's fingers. And almost as small, proportionately, is the number of people who can tell the "Spit" from the "Hurri" after all these years—or who are even particularly interested in looking at them on display. The attraction nowadays lies in the modern stuff—the lithe, lethal Hunters and Javelins, the massive V-bombers, the sleek and silent missiles.

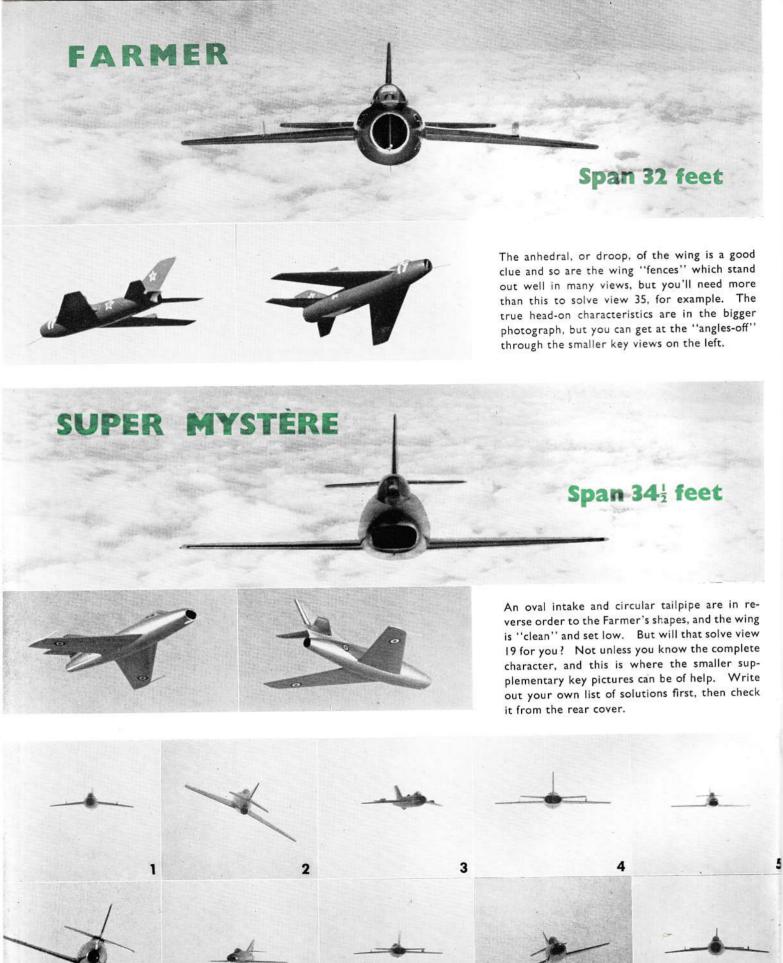
However, sad though this may seem to those who remember the wartime fighters with nostalgic affection, we should echo Shakespeare's sentiment and "let us not burden our remembrance with an heaviness that's gone". The most practical way to commemorate the men who died in the Battle of Britain is to support and encourage the pilots and aircrew who carry on their job today, many of whom are themselves too young to remember nineteen years ago, and to take pride and comfort in the knowledge that the Royal Air Force of today is equipped and ready to deal with any eventuality—even, Heaven forbid, another Battle of Britain.

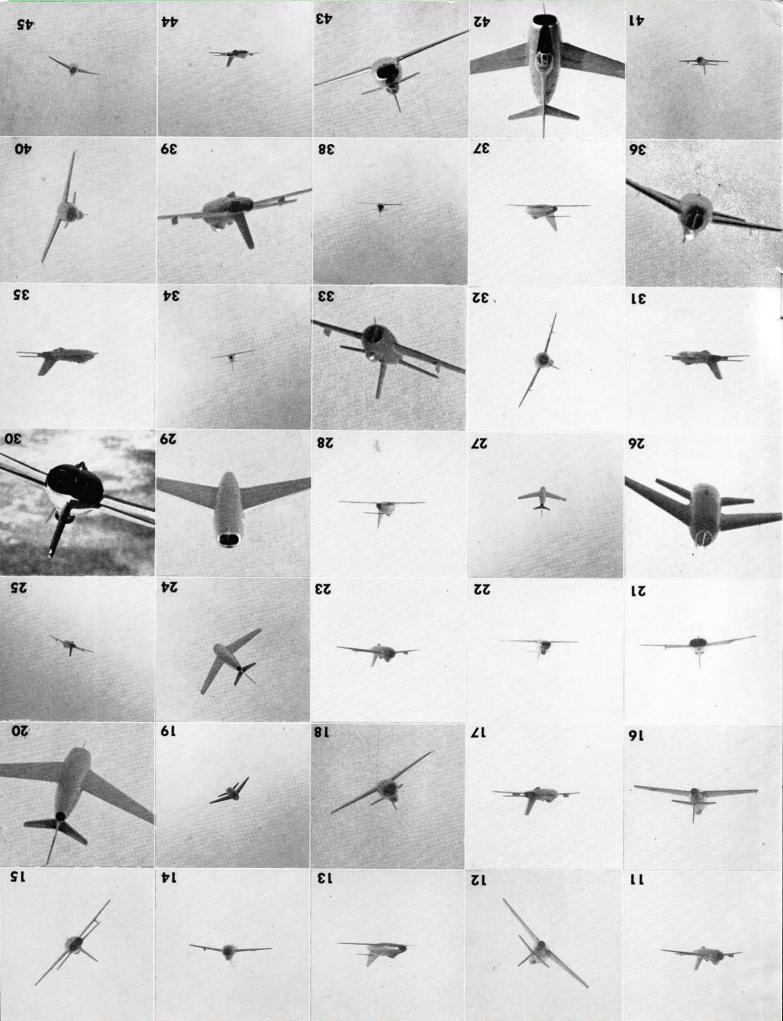
The pattern of world affairs and opinions has also turned upside down since the end of World War 2. Then, Soviet Russia was allied with the United Kingdom and the United States of America against the combined aggression of Germany and Japan. Today, Japan and Western Germany join ourselves and the United States in alliance against the potential aggression of the Soviet bloc, in which, unhappily, Eastern Germany is ensnared along with our former allies Czechoslovakia and Poland. And as if to make the irony complete, the air arms of Federal Germany and Japan are being reformed with British and American aircraft.

So the picture must change to meet the political needs of the day. Soviet Russia has shown that her aircraft and missiles have been developed until they are a match for anything that other nations can produce; and so long as mutual disarmament cannot be agreed on, we owe it to "the few"—and to the many as well—to see that our own equipment is kept up to scratch and available in such sufficiency as will ensure that there need never be another Battle of Britain.



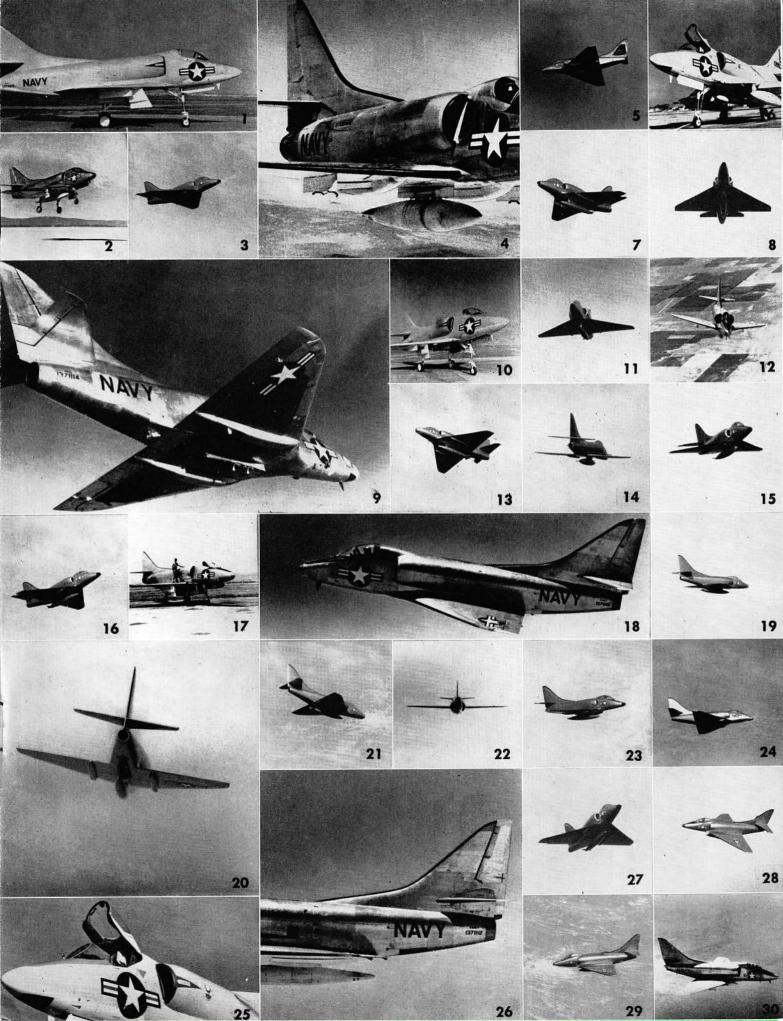


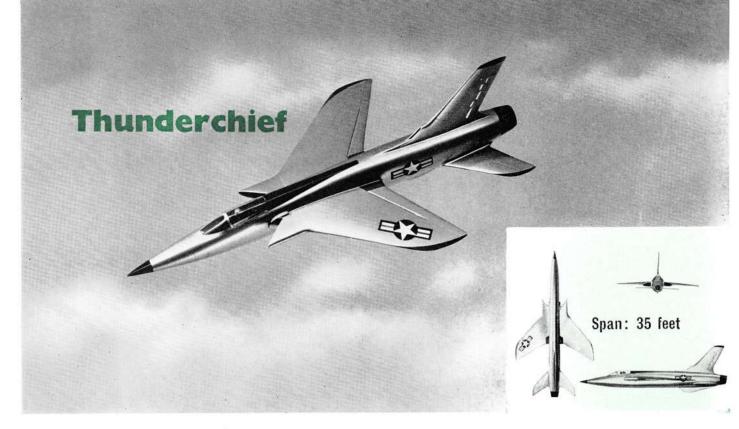












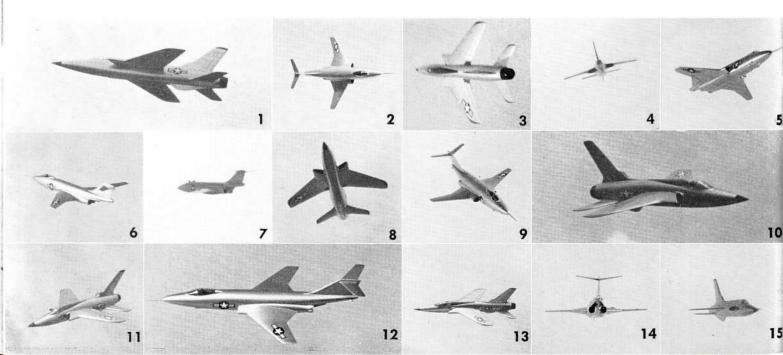
U.S.A.F. Fighter-Bomber

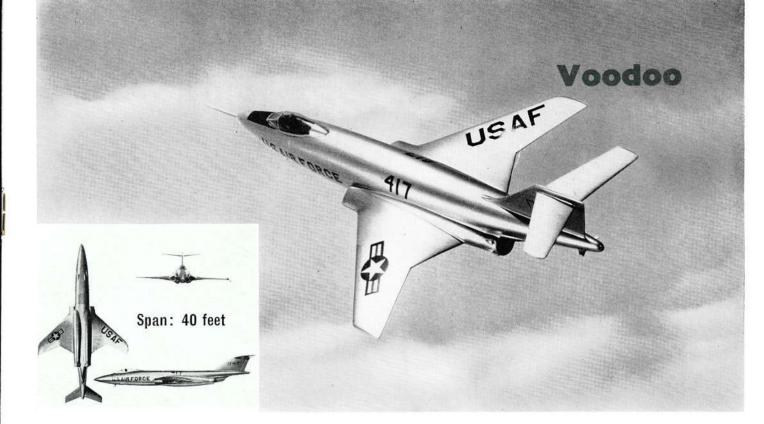




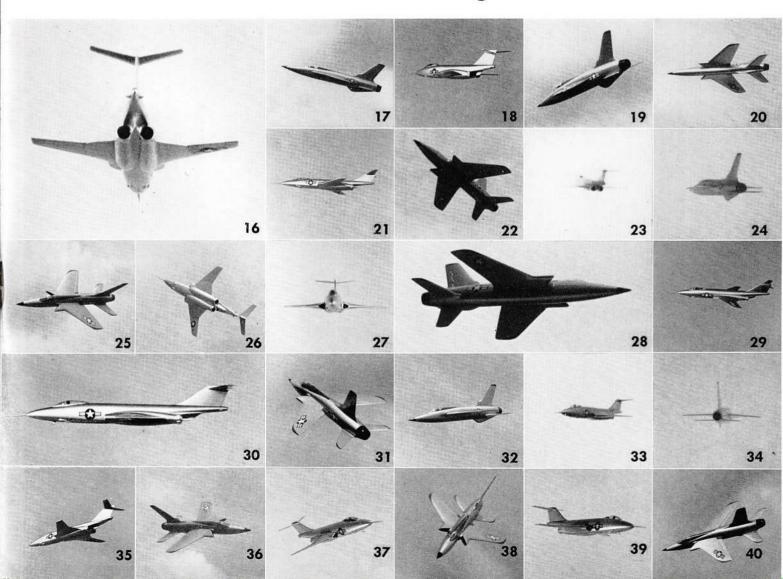


MONG the most popular (if not the most cultural) of television programmes are those involving what is called audience participation—quiz programmes, panel games and so on. The lessons produced in this Journal are designed for audience participation, too. In fact, if you hadn't realised it already, you do all the work: we simply provide the means. You have a number of clearly named views (key information) and with these you work out the identities of a collection of unknowns (targets). We provide the tools, you finish the job. And, moreover, by using this method you can do a pretty good one, for no target view is impossible of solution with the key information given. One thing only we ask—that you write out each identity in full as you confirm it; not simply for ease of checking but because the very writing of the name so many times helps you to remember it again. Good viewing!





U.S.A.F. Fighter-Bomber

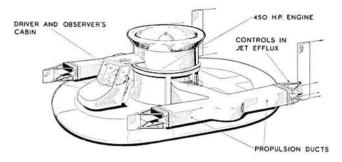


Briefs

A collection of items of news and interest which may help your recognition.

A Cushy Job

A unique new vehicle, the SRN-1 Hovercraft, was made public for the first time earlier this year, and will be made the subject of a longer article in a subsequent edition. The Hovercraft, a drawing of which is shown, is not strictly an aircraft (it does not rely on wings and forward speed for lift), nor is it a ship (as it operates clear of the water); one might say that it is a flying boat, in the most literal sense, since it is supported on a "cushion" of air and skims over the sea at anything from 3 to 7 feet above the surface. The research,



design and development of the Hovercraft was undertaken by Saunders-Roe Ltd. at Cowes under the sponsorship of the National Research Development Corporation. The prototype illustrated is 30 feet long, 24 feet wide, and is powered by an Alvis Leonides aircraft piston engine of 450 h.p. which drives a ducted fan to provide the supply of air for lift and propulsion. The first operational craft is likely to weigh less than 100 tons, but the efficiency of the design is said to increase with size and experiments have shown craft weighing thousands of tons and travelling at about 100 knots to be feasible. One early practical application of the Hovercraft principle might be a cross-Channel passenger and vehicle ferry.

A Decade of Canberras

The Canberra, which first flew on 13th May 1949, is the only jet bomber in the world to remain in production for more than ten years (production orders were placed several months before the maiden flight). To celebrate the occasion, English Electric have released some interesting statistics on this aircraft. In ten years 1,329 have been built: 878 in Great Britain, 48 in Australia and 403 in the U.S.A. Production continues of the Mk. 9 for the R.A.F. (undertaken by Short Bros. & Harland) and of various models for the air forces of New Zealand, Rhodesia, India and Peru (executed by English Electric). Canberras have been sold to nine overseas countries and these exports, together with the licences sold to Australia and the U.S.A., have earned more than £50 million, much of it in dollars.

The strike in the printing industry has delayed the summer editions of the *Journal*, but unlike some publications the full 12 editions for the year will appear in due course.

Mach Two for Two

The Lightning Trainer, two-seat version of the R.A.F's next all-weather fighter, made its maiden flight early in May, two weeks ahead of schedule. Already Lightning Trainers are in production alongside the single-seat fighters, to ensure that they are available for pilot conversion early in the operational life of the Lightning. Seating is side-by-side for instructor and pupil, and the first released pictures of the trainer are shown below. It can be seen to differ very little from the fighter version except in the shape of the cockpit, which contrives to give it a somewhat "fat-headed" appearance reminiscent of the Hawker Hunter Trainer.





Refresher Course:

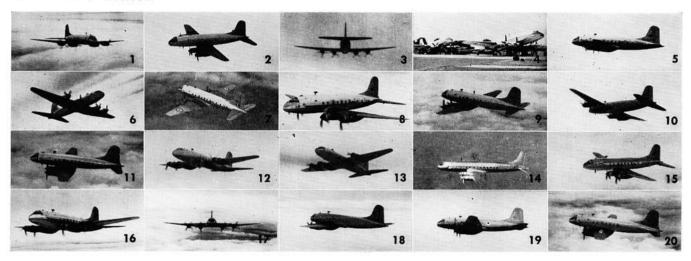
HASTINGS

Stalwart work-horse of Transport Command for many a year, the Handley Page Hastings gives yeoman service still and has several more years of work in it yet. Here is a quick five-minute lesson to brush up your knowledge of it. Answers are on the rear cover.



Span II3 feet

SPOT THE HASTINGS!





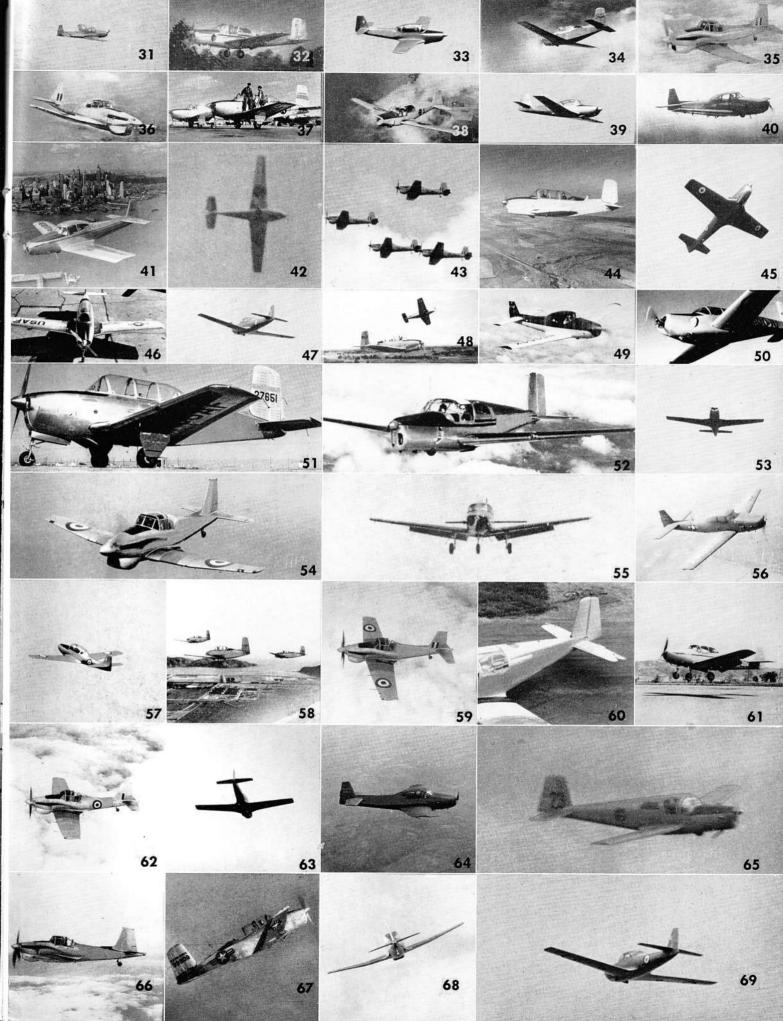
BY and large, there is a wider diversity of shape and feature among trainers and other light aircraft than there is among, say, jet fighters. Also, of course, they do not fly so fast and there is more time to identify them. The group of aircraft in this test will

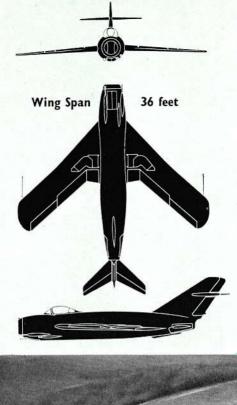
nevertheless provoke a doubtful moment here

and there, we fancy, before the correct result is

TRAINING FLIGHT

obtained. There are five of them ranging from Italy's Piaggio P. I 49D (view 30) and the Swedish Safir (view 2) to the Balliol (view 5) from Great Britain and the Navion (view 7) and Mentor (view 17) from the United States. With these five pictures thus identified you should be able to work out the rest with a little application. 21 22 25



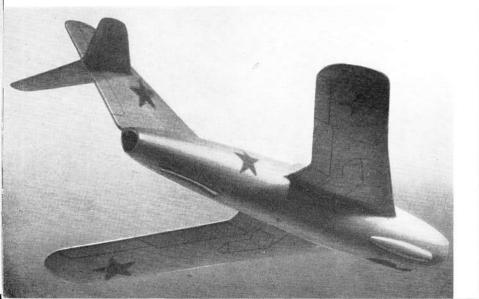


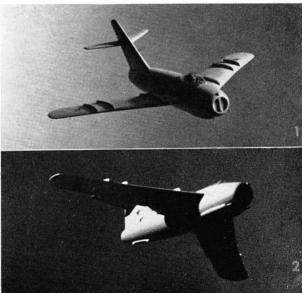
The Soviet MiG-17 Fighter

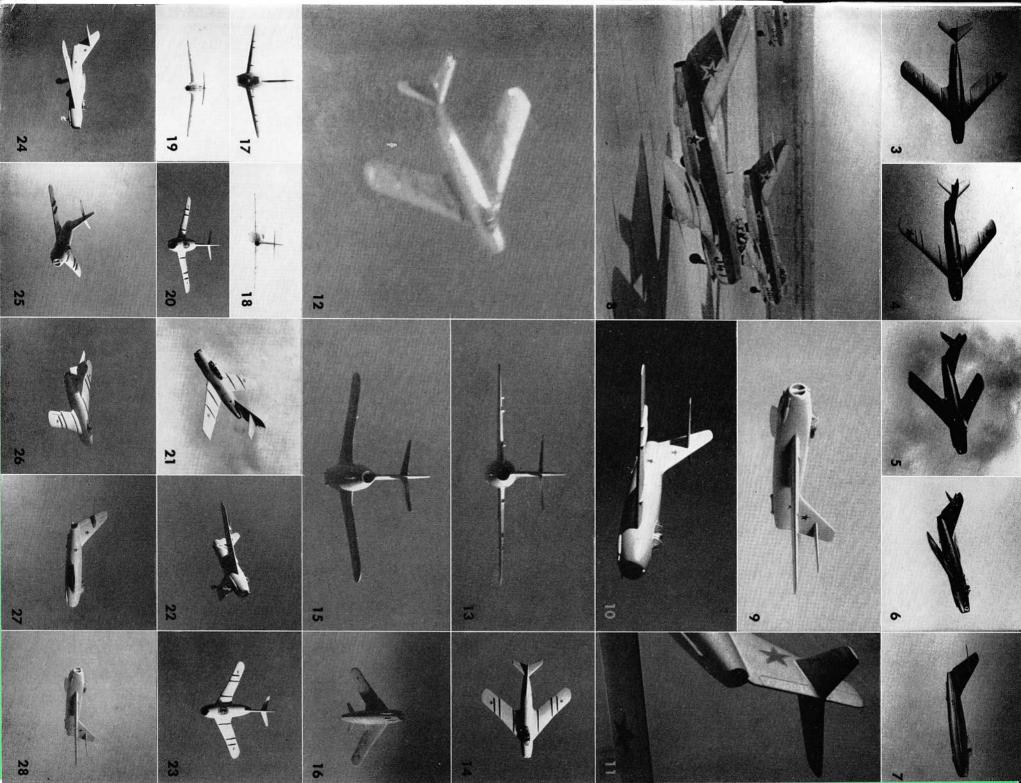


RESCO was the third operational jet fighter to stem from the Mikoyan/Gurevich partnership, and first began to appear during the closing stages of the Korean war. Clearly developed from the earlier Fagot (MiG-15), it is a potent fighter with a performance only slightly below Mach I. Although no longer first-line Soviet Air Force equipment, the Fresco has been supplied to Afghanistan, Albania, Bulgaria, Egypt, Hungary, Indonesia, North Korea, Rumania and Syria, and has been built in considerable numbers in China, Czechoslovakia and Poland. Frescos may be equipped with an auxiliary fuel tank beneath each wing at half-span, and all-weather fighter versions with a "lip" above the nose orifice have been mentioned.











Cover Picture: One of the chief recognition characteristics distinguishing Boeing's B-52G from the earlier Stratofortresses is a much shortened tail fin. Nevertheless it is still necessary to hinge the tail over to one side in order to get the aircraft out of the hangar. Or didn't they think of building taller hangars?

SOLUTIONS TO TESTS AND LESSONS IN THIS EDITION

SKYHAWK

All targets are Skyhawks except No. 22, which is a Demon.

TV TIME

1. Thunderchief	15. Thunderchief	29. Voodoo
2. Voodoo	16. Voodoo	30. Voodoo
3. Thunderchief	17. Thunderchief	31. Thunderchief
4. Thunderchief	18. Voodoo	32. Thunderchief
5. Voodoo	19. Thunderchief	33. Voodoo
6. Voodoo	20. Thunderchief	34. Thunderchief
7. Voodoo	21. Voodoo	35. Voodoo
8. Thunderchief	22. Thunderchief	36. Thunderchief
9. Voodoo	23. Voodoo	37. Voodoo
10. Thunderchief	24. Thunderchief	38. Thunderchief
II. Thunderchief	25. Thunderchief	39. Voodoo
12. Voodoo	26. Voodoo	40. Thunderchief
13. Thunderchief	27. Voodoo	
14. Voodoo	28. Thunderchief	

FRESCO

All the target views are Frescos except No. 21, which is a Fagot.

FARMER AND SUPER MYSTÈRE

1	Farmer	16.	Super Mystère	31.	Farmer
2.	Super Mystère	17.	Farmer	32.	Farmer
3.	Farmer	18.	Super Mystère	33.	Farmer
4.	Farmer	19.	Farmer	34.	Super Mystère
5.	Super Mystère	20.	Super Mystère	35.	Farmer
6.	Super Mystère	21.	Farmer	36.	Farmer
7.	Super Mystère	22.	Super Mystère	37.	Super Mystère
8.	Farmer	23.	Farmer	38.	Super Mystère
9.	Super Mystère	24.	Super Mystère	39.	Farmer
10.	Farmer	25.	Farmer	40.	Super Mystère
11.	Farmer	26.	Farmer	41.	Farmer
12.	Super Mystère	27.	Super Mystère	42.	Super Mystère
13.	Super Mystère	28.	Super Mystère	43.	Super Mystère
	Farmer	29.	Super Mystère	44.	Farmer
15.	Farmer	30.	Farmer	45.	Farmer
14.	Farmer	29.	Super Mystère	44.	Farmer

HASTINGS

All the target views are Hastings except No. 14, which is a Hermes 4.

TRAINING FLIGHT

	THOUSANT TELEVITION	
I. Navion	24. Navion	47. Piaggio P.149D
2. Safir	25. Navion	48. Mentor
3. Mentor	26. Mentor	49. Navion
4. Piaggio P.149D	27. Balliol	50. Safir
5. Balliol	28. Safir	51. Mentor
6. Mentor	29. Mentor	52. Safir
7. Navion	30. Piaggio P.149D	53. Piaggio P.149D
8. Safir	31. Navion	54. Balliol
9. Navion	32. Safir	55. Navion
10. Balliol	33. Piaggio P.149D	56. Navion
II. Mentor	34. Mentor	57. Piaggio P.149D
12. Piaggio P.149D	35. Balliol	58. Mentor
13. Balliol	36. Balliol	59. Balliol
14. Piaggio P.149D	37. Mentor	60. Safir
15. Safir	38. Safir	61. Navion
	39, Piaggio P.149D	62. Balliol
16. Navion		
17. Mentor	40. Navion	63. Piaggio P.149D
18. Piaggio P.149D	41. Navion	64. Navion
19. Mentor	42. Safir	65. Safir
20. Safir	43, Balliol	66. Balliol
21. Piaggio P.149D	44. Mentor	67. Mentor
22. Balliol	45, Piaggio P.149D	68. Balliol
23. Safir	46. Mentor	69. Piaggio P.149D
		기계 시간 보는 이 경우를 다 되었다. [1] 기계 시간 기계

BRITAIN'S SPOTTING POSSIBLES

For general reference, we have collected up all the lists of aircraft published over the past few months, added a few new ones and combined them in a new list in the column below.

An editorial desk in the middle of London is not however the best place from which to keep an eye peeled for new and unusual types, and we must rely on readers to keep us posted about what's aloft. We know that among the *Journal's* farflung readership there are many of you who can tell us a tale of an unusual or interesting aeroplane seen in your locality, either airborne or on the ground. We shall be delighted to publish further additions to the list.

puonsii rai iner uu
Aeronca 100
Aeronca 100 Aero Commander
Aerovan
Agricola
Albatross (SA-16A & B)
Alouette II
Alpha Ambassador
Anson
Apache
Argosy Argus (Fairchild) Armagnac
Argus (Fairchild)
Ashton
Auster AOP.6 & T.7 Auster AOP.9
Auster AOP,9
Avenger Avia 14 Avro Canada CF-100 Mk. 4 Balliol
Avro Canada CE-100
Mk 4
Balliol
Beaver I
Beaver I Bell 47
Beverley
Bird Dog
Blackburn N.A.39
Bobcat
Bonanza Boxcar (C-119)
Brigand
Bristol 173
Bristol 173 Bristol 192
Daireal Essiahees 21
Bristol Freighter 32
Britannia Series 100
Britannia Series 310
Camel (TU-104)
Canberra B.2 & 6
Canberra PK.3 & /
Canberra B(I) 8
Canberra P.R.9
Canberra U.10
Canberra T.11
Caravelle
Cargomaster
Catalina
Cessna 170
Champion
Chipmunk
Comanche
Comet 2
Comet 4
Commando
Constellation
Consul
Convair 240
Course (F9F-8)
Britannia Series 100 Britannia Series 310 Camel (TU-104) Canberra B.2 & 6 Canberra P.8.3 & 7 Canberra P.8.3 & 7 Canberra P.8.3 & 7 Canberra P.8.9 Canberra J.10 Canberra T.11 Caravelle Cargomaster Catalina Cessna 170 Cessna 170 Champion Champion Champion Commando Commando Comet 2 Comet 4 Commando Consullation Consullation Convair 240 Convair 240 Convair 240 Covauri
Currie-Wot
Currie-Wot D.H.86B Express Dakota
Dakota
Destroyer
Devon
Douglas DC-6/6A/6B Douglas DC-7/7C
Douglas DC-7/7C
Dove
Dragonfly

Drover Edgar Percival E.P.9 Electra Emeraude Frcoupe Étendard IVM

Expeditor
Fairey F D 2
Carrey 1.0.2
Expeditor Fairey F.D.2 Fairey Ultra Light
Falco
Falcon Six Fiat G.91R
Fire G 91P
Tiac G. FIR
Firefly
Flamant
Friendship
Friendship
Fulmar
Gannet
Gemini
Gemini Gladiator
Giadiator
Globemaster
Globemaster Gnat
Harasan
Harpoon Harvard Hastings
Harvard
Hastings
Herald
Hercules
Hermes
Hermes Heron Hiller 360
Hillor 360
Timer 500
Hornet Moth
Hovercraft
Hunter F 1-6
Hovercraft Hunter F.1-6 Hunter T.7
Hunter 1./
Hurricane
Invader
Jackaroo
Javelin F(AW), 1-2, 4-8 Javelin T.3
Javelin T.3
lot Provoct T 1-3
1 1 1 1 1 1 1 1 1 1 1 1 1
Jet Provost T.1-3 Jodel D.117
Junkers Ju.52/3m
Kansan
Klemm L.25
Kiemini L.23
Lancaster
Languedoc
Leopard Moth
Lightning F.I Lightning Trainer
Lightening T.
Lightning Trainer
Lincoln Lockheed I2A Lodestar
Lockheed I2A
Lodestar
Lucas Missa
Luton Minor
Luton Minor Mach-Trainer
Magister (Miles)
Marathon
r lai action
Mercator
Messenger
Meta-Sokol
Motoor T 7
rieteor 1.7
Meteor T.7 Meteor F.8
Meteor PR.9 & 10 Meteor NF. 11-14 Miles HDM.105
Meteor NF 11-14
Miles HDM IDE
rines aprilios
Miles HDM.105 Mooney M.20
Mosquito
Multoplan
Nationali
Navion
Neptune
Noratias
Noratlas
Norécrin
Norécrin
Norécrin Otter
Norécrin Otter Oxford Pembroke Packet (C-82) Piaggio P-136 Piaggio P-166 Piper Cub
Norécrin Otter Oxford Pembroke Packet (C-82) Piaggio P-136 Piaggio P-166 Piper Cub Prentice
Norécrin Otter Oxford Pembroke Packet (C-82) Piaggio P-136 Piaggio P-166 Piper Cub Prentice President
Norécrin Otter Oxford Pembroke Packet (C-82) Piaggio P-136 Piaggio P-166 Piper Cub Prentice President Prestwick Pioneer
Norécrin Otter Oxford Pembroke Packet (C-82) Piaggio P-136 Piaggio P-166 Piper Cub Prentice President Prestwick Pioneer Princess
Norécrin Otter Oxford Pembroke Packet (C-82) Piaggio P-136 Piaggio P-166 Piper Cub Prentice President Prestwick Pioneer Princess
Norécrin Otter Oxford Pembroke Packer (C-82) Piaggio P-136 Piaggio P-166 Piper Cub Prentice President Prestwick Pioneer Princess Proctor
Norécrin Otter Oxford Pembroke Packet (C-82) Piaggio P-136 Piaggio P-166 Piper Cub Prentice President Presswick Pioneer Princess Proctor Provence
Norécrin Otter Oxford Pembroke Packer (C-82) Piaggio P-136 Piaggio P-166 Piper Cub Prentice President Prestwick Pioneer Princess Proctor

Rapide
Rotodyne Sabre
Sabre Sabre D
Sabre D Safir Saunders-Roe P.531 Saunders-Roe S.R.53 Scimitar Sea Fury
Saunders-Roe F.531
Scimitar
Sea Fury
Seahawk
Sea Prince
Sea Venom
Sea Fury Seahawk Sealand Sea Prince Sea Venom Sea Vixen Seminole Sentinel (Stinson) Shackleton MR, 1–3
Seminole Sentinel (Stinson)
Shackleton MR.1-3
Shooting Star (T-33)
Short S.C.I
Sentinel (Stinson) Shackleton MR.1–3 Shooting Star (T-33) Short S.C.1 Skeeter Skymaster Skymaider
Skyraider
Skymaster Skyraider Spitfire Stampe S.V,4 Starliner Stratocruiser Stratofortress
Stampe S.V.4
Stratocruiser
Stratofortress
Stratojet
Stratoliner
Stratotanker (KC-17)
Student
Super Aero 45
Super Cub
Super DC-3
Superfortress (KB-50)
Stratocruiser Stratofortress Stratofortress Stratosiner Stratosanker (KC-97) Stratotanker (KC-135) Student Super Aero 45 Super Cub Super Constellation Super DC-3 Superfortress (KB-50) Super Sabre Super Trader (Tudor) Super Treder (Tudor)
Super Ventura
SWIIT
Sycamore Thunderstreak Tiger Moth
Tiger Moth
Tipsy Nipper
Tracker
Thunderstreak Tiger Moth Tipsy Nipper Tracker Travel-Air Tri-Pacer
Tri-Pacer Twin Bonanza Twin Navion Twin Pioneer Turbulent Valetta Valiant
Twin Navion
Twin Pioneer
Valetta
Valiant
Vampire FB.5 Vampire T.11
Vampire 1.11 Vanguard
Varsity
Venom FB.I & 4 Venom NF.2 & 3
Venom NF.2 & 3
Victor Viking
Viscount
Viscount Viscount Major Voodoo (F-101) Voodoo (RF-101)
Voodoo (RF-101)
Vulcan
vvessex
Westminster
Whirlwind Widgeon
Widgeon Workmaster
York Zaunkoenig
Zlin Trener

Puss Moth